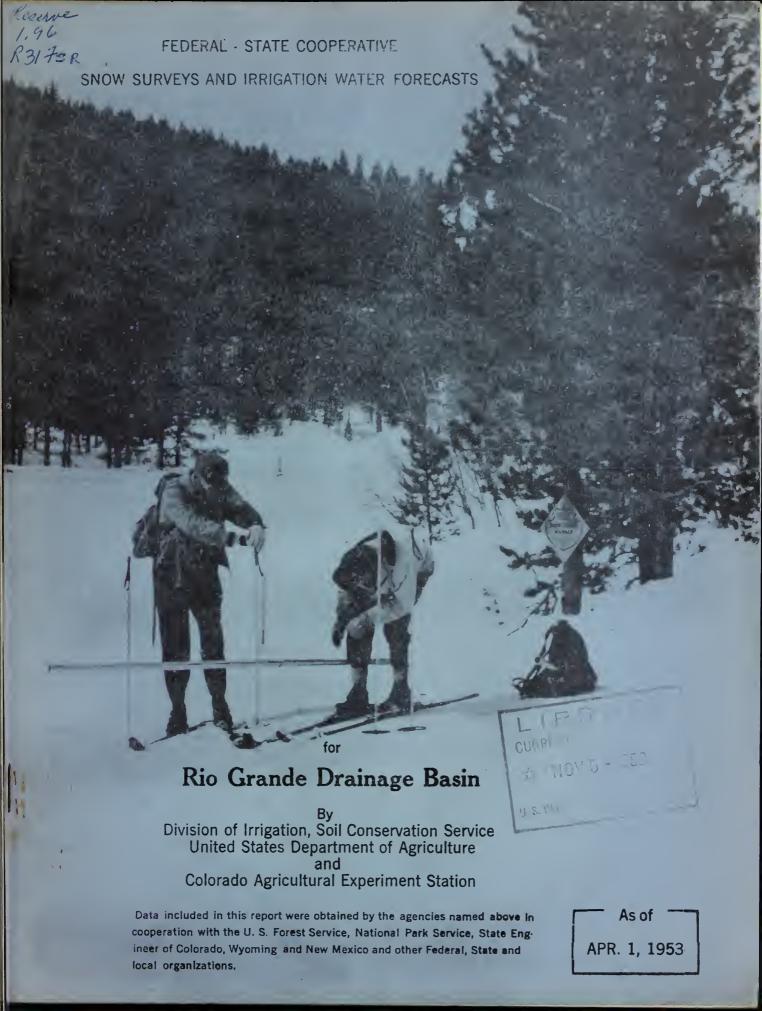
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### UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY AND WATER SUPPLY FORECAST REPORTS:

Forecasts by U. S. Weather Bureau of total annual streamflow October-September, inclusive, at more than 300 gaging stations are issued monthly January through May in the publication WATER SUPPLY FORECASTS FOR THE WESTERN UNITED STATES.

Weather Bureau forecasts of runoff presented in this bulletin are computed from procedures based on mathematical analysis of the relation between precipitation and runoff.

The Weather Bureau bulletins may be secured by writing to:

Hydrologist in Charge River Forecast Center U. S. Weather Bureau 712 Federal Office Building Kansas City 6, Missouri

# FEDERAL-STATE COOPERATIVE SNOW SURVEYS AND IRRIGATION WATER SUPPLY FORECASTS

For

RIO GRANDE DRAINAGE BASIN

April 1, 1953

Report Prepared

by

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> Division of Irrigation Soil Conservation Service Colorado Experiment Station Fort Collins, Colorado

General Series Paper No. 540 Colorado Agricultural Experiment Station ne. Jane 1980 in 1 Jane 1980 in 1

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### WATER SUPPLY OUTLOOK RIO GRANDE DRAINAGE BASIN April 1, 1953

The snow accumulation during March was negligible on the Rio Grande watershed except for the highest elevations. On most medium and lower snow courses there was a decline in snow water content from March 1. Summer flow of the Rio Grande and its tributaries in San Luis Valley will be about 50 percent of normal. For the Rio Grande into the Middle Rio Grande Valley the summer flow will be about 25 percent of normal and possibly less than 10 percent of normal into Elephant Butte Reservoir depending on operation of the Rio Grande Compact, Annual flow will be higher in percent of normal as winter flow will exceed summer flow in the lower reaches of the stream. A season similar to 1951 in New Mexico is to be expected.

The snow accumulation on the Rio Grande drainage into San Luis Valley has been light since February 1 and forecasts of stream flow have been substantially reduced since that date. There has been considerable melting at medium and lower mountain elevations. Storage in irrigation reservoirs in San Luis Valley is two to three times that stored on April 1, 1952 and slightly above average. The water supply outlook is definitely in contrast to a year ago and similar to the 1951 season.

In northern New Mexico the snow water content on all courses declined during March. Mountain soils are wet on the surface but no increase in stream flow has been noted. Soil moisture conditions are reported as good east of the river near Taos but dry in irrigated areas along the Rio Grande. El Vado reservoir is empty. Flow of the Rio Grande at Otowi Bridge for the April-September 1953 period is forecast at 225,000 acre-feet or 25 percent of normal.

Storage in Elephant Butte and Caballo Reservoirs now totals 420,000 acrefeet. This is over four times that stored a year ago but still critically low in view of the present water supply outlook. Storage and expected inflow is a little over one-half of the usual irrigation water demand in southern New Mexico and west Texas.

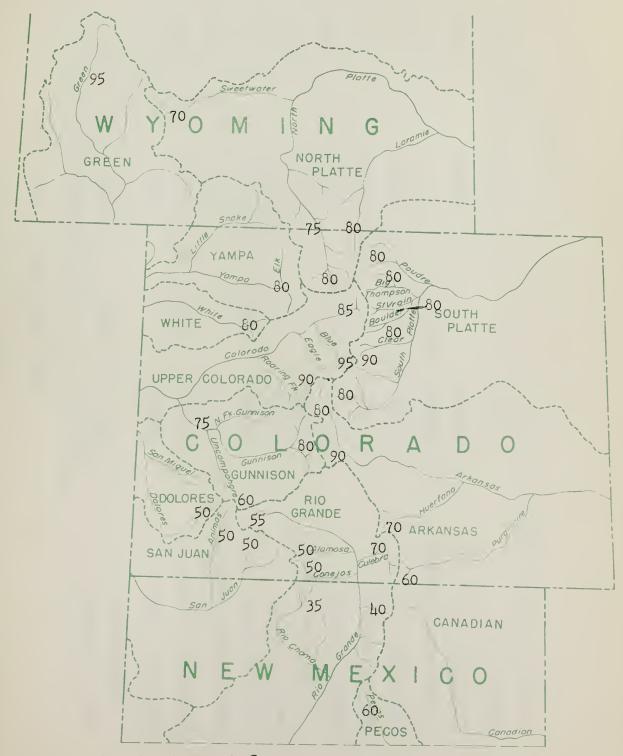
Snow cover on the Pecos watershed is below normal. The summer runoff of the Pecos at Pecos, New Mexico is expected to be 50 percent of normal.

Storage in Conchas reservoir is well below average and a year ago. Soil moisture conditions on the Tucumcari project are fair.

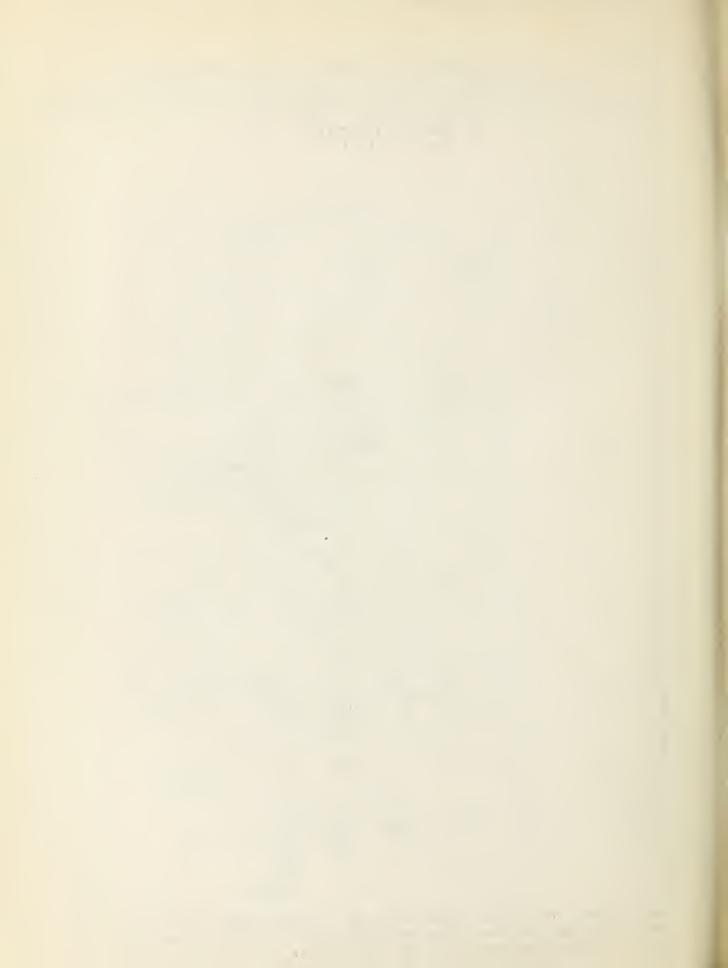


WATER CONTENT OF SNOW ON THE WATERSHEDS OF PLATTE, ARKANSAS, UPPER COLORADO AND RIO GRANDE BASINS BASED ON SNOW SURVEYS MADE APPROXIMATELY FIRST DAY OF MONTH

> In Percent of Normal April 1, 1953



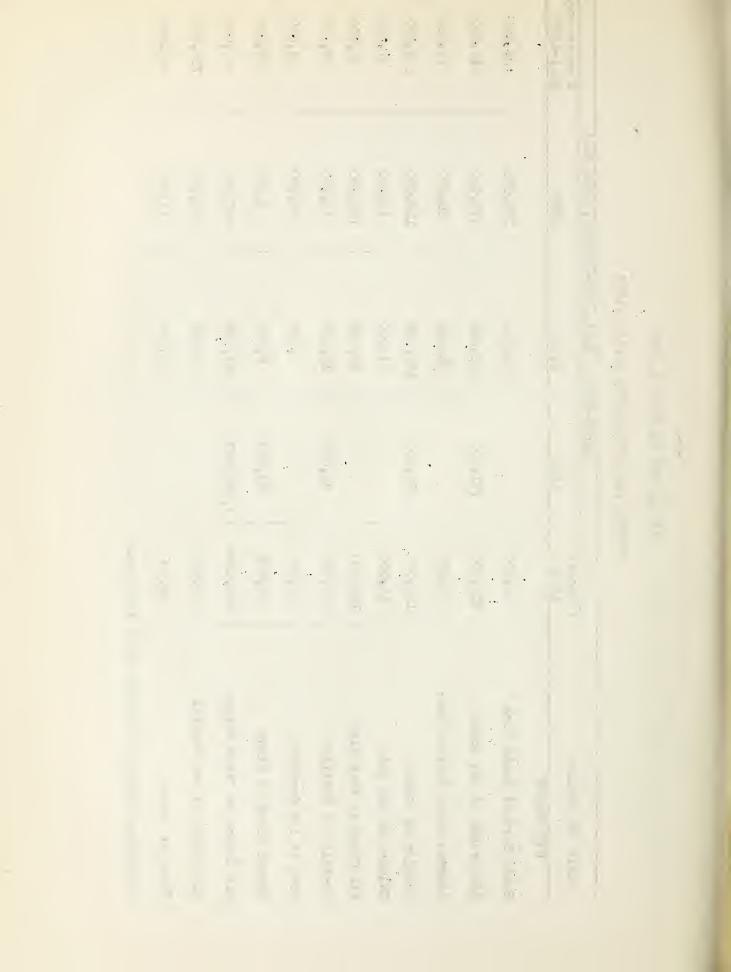
Note: Except for the Rio Grande Drainage snow melt season runoff is expected to be less than indicated by snow water content because of deficient precipitation during the fall months.



RIO GRANDE DRAINAGE BASINS

STREAM FLOW FORECASTS, April 1,1953

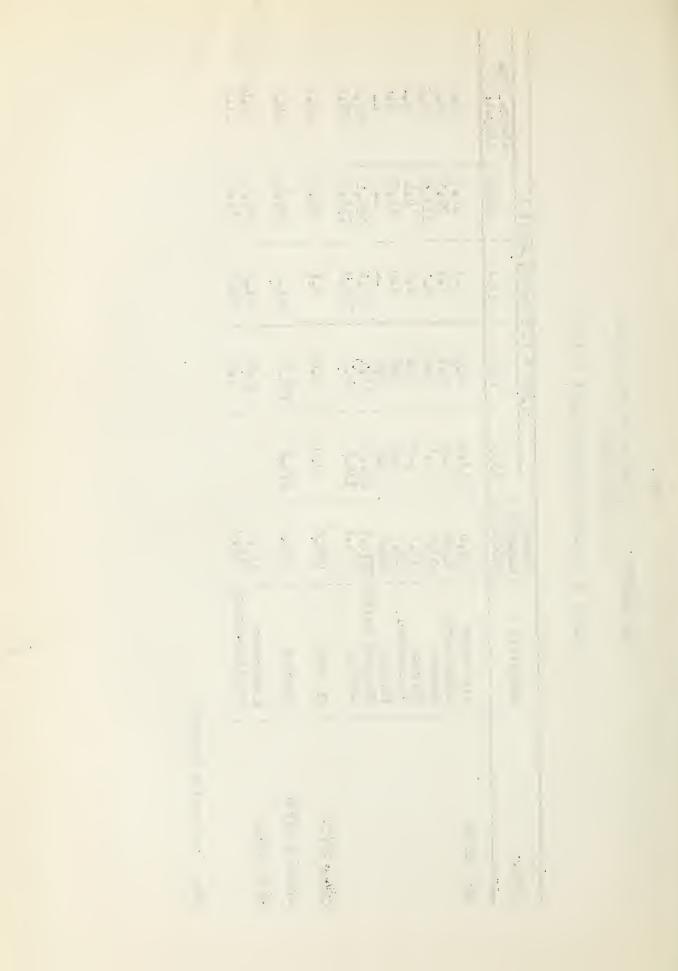
		April-Se	April-Sept., Incl., Streamflow, Acre Feet	flow. Acre Feet	
BASIN AND STREAM	Forecast	1942	ראפר	1950	10-year avg
RIO GRANDE					
South Fork at South Fork	80,000		000,419	100,000	146,000
Rio Grande at Del Norte	300,000	751,000	252,000	397,000	000,019
Alamosa above Terrace Res.	000.01		36,000	26,000	77,000
Conejos at Mogote	120,000	356,000	107,000	148,000	225,000
Culebra at San Luis	15,000		000,11	19,000	37,000
Rio Chama at Park View	100,000		86,000	154,000	232,000
Costilla at Costilla	20,000	36,000	15,000	15,000	38,000
Toas at Los Cordovas	12,000		5,500	6,200	13,000
Embudo Creek at Dixon	25,000	63,000	6,000	3,000	000,09
Rio Grande at Otowi Bridge	225,000*	001,167,400	201,000	267,000	900,000
Rio Grande at San Marcial	20,000		23,000	55,000	706,000
Pecos at Pecos	35,000	nadar di Amo	25,000	13,000	64,000
*Including change in storage in El Vado Res.	Vado Res.				



SNOW SURVEYS AND IRRIGATION WATER FORECASTS RIO GRANDE BASIN

STATUS OF RESERVOIR STORAGE, April 1, 1953

		USABLE		1,000 A.F. Storage, April	torage, Ap	ril i	
STREAM	RESERVOIR	CAPACITY 1000 A.F.	1953	1952	1951	1950	10-yr。Avg。 1943-1952
		7		0	r l	(	1
RIO GRANDE		45.0	17.c6	کور د	7°7	30.0	14.05
	ıria	45.0	6°6	207	2.9	22.9	700
	Sanchez	103.0	6.1	5.4	4.5	11300	11.5
		17.07	4.9	2,3	٦,8	404	3.2
	Continental	26.7	6.3	л. О	2,0	19.0	9°6
	Platoro	0,09	000	000	!	ļ	1 1
	Butte	2273.7	281,0	19.1	252.7	656.1	742.04
		356.0	139°h	78.1	152,3	221,3	209.7
		,		,	1	(	
CHAMA RIVER	El Bado	226.0	0°0	0.0	501	22,0	41.5
CANADIAN RIVER	Conchas	0°009	173.4	207.5	281,3	308.4	304.2
0.000 daysta 2000a		0 0		۲.	ر تر	7 60 1	70
recos niven	McMillan-Avalon	145.0		) O	10.9	14.0	11,2
				,			
	-						
*Some for shorter periods	ය්ප				-		



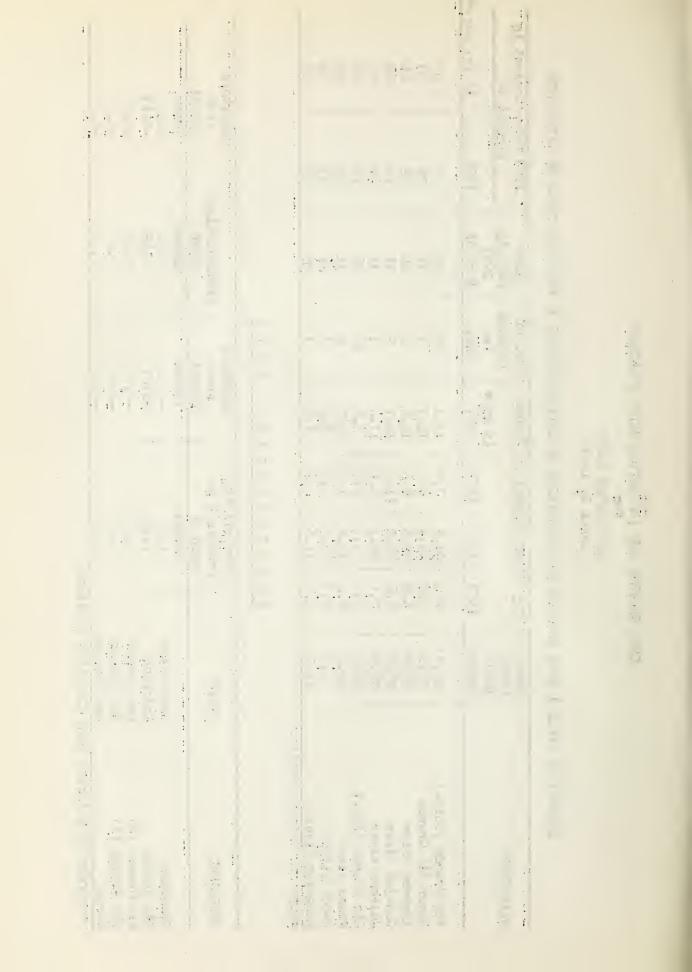
SNOW SURVEYS AND IRRIGATION WATER FORECASTS for RIO GRANDE BASIN April 1, 1953

SUMMARY OF APRIL 1 SNOW SURVEYS AND COMPARISON OF DATA WITH THAT OF PREVIOUS YEARS BY WATERSHEDS

	Snow	Snow Wa	ter Cor	Water Content in Inches	Inches	No. of	Snow	1953 Water	1953 Water Content in
WATERSHEDS	Depth					courses	Density	percent of	it of
	1953   Inches	1953	1952	1951	15 yre* Avg.	in Avge	1953 Percent	1952	15 yr, Avg.*
Rio Grande (Colo.)	22,3	η°9	21.8	7.7	13.1	18	29	29	49
Upper Rio Grande	25,1	7.8	26.7	8.2	14.7	m	31	29	53
Alamosa River	2/10	<sub>3</sub>	26.5	9,8	14.0	8	54	22	17
Cone jos River	28.0	8	30.0	11,2	14.7	v	31	29	09
Culebra River	24,6	7.7	24,1	6,1	11.4	7	31	32	89
Rio Grande (N.M.)	10,5	5.9	6.6	2.9	6.5	177	28	29	45
Chama River	20.2	6.2	15,6	7.2	10.0	ν.	31	710	62
Pecos River	4,5	2.3	200	0,3	3.6	m	72	43	719
Canadian River	12,2	3.0	11.6	7,98	7,8	3	25	26	38
*Some for shorter periods									

# DATA PRECIPITATION

					The second secon
		Precipitation	Departure		_
WATERSHED	STATE	October 1 to	from	Precipitation	
		March 31	normal	March	normal
		Inches	Inches	Inches	
Canadian	New Mexico	1,88	-2,31	0.24	
Rio Grande	Colorado	1,99	-1.47	0°49	
Rio Grande (N)	New Mexico	4-15	-2.78	0,61	
Rio Grande (S)	New Mexico	1.87	1,05	09•0	
Pecos	New Mexico	2.06	-2,32	0,46	- 1
* Attorogo of Solonted High Blowstion Sta	High Flowstion Stat	i one			



### RIO GRANDE DRAINAGE SNOW SURVEYS

April 1, 1953

	<del>,</del>		April 1						
			-		Cover M				
Drainage Basin	No.		Date	Snow	Water	Conten	t	<del></del>	<del></del>
and	and	Elev.	of	Depth				i	Av.Water
Snow Course	State		Survey		1953	1952	1951	Rec.	Content
RIO GRANDE IN COLOR				In.	In.	In.	Inc	In.	In.
Wolf Creek Pass	26 Colo.		4/1	57.8	18.3	55.3	20.3	17	31.5
Upper Rio Grande	27 "	9350	3/31	13.3	3.8	14.7	2.8	17	7-9
Silver Lakes	47 "	9600	3/31	2.4	1.2	14.5	3.4	16	6.3
River Springs	49 "	9300	3/31	7.6	1,9	19.8	4.0	16	7.9
LaVeta Pass #2	74 "	9300	4/1	17.2	5.7	17.6	5.5	17	8.6
Summitville	76 "	11500	3/31	45.5	10.4	38.9	13.7	13	21,7
Cumbres Pass #2	77 "	10000	3/26	48.2	17.6	24.4	19.5	17	24.4
Santa Maria	80 "	9700	4/1	4.1	1.2	10.0	6.1	13	4.7
Culebra	82 "	10000	4/1	29.6	7.7	24.1	6.1	13	11.4
Ft.Garland	84 "	8200	4/1	0.0	0.0	3.5	0.4	13	2.7
Platoro	108 "	9950	3/31	34.1	8.8	38.3	12.9	4	24.5
West Conejos	109 "	9450	3/31	8.8	2.7	19.4	5-4	14	10.9
La Manga	110 "	10100	3/31	41.3	13.1	48.3	14.1	4	28.1
Pyramid	122 "	10300	3/30	24.6	6:1	18.4	6.4	4	12.4
Spr.Creek Pass	123 "	10900	3/30	23.3	5.2	16.2	7.0	4	12.6
Pool Table Mt.	124 "	10000	3/30	15.1	3.6	10.4	3.0	4	7.2
Lake Humphreys	125 "	9300	3/30	10.7	3.5	12.1	3.3	4	8.2
Cochetopa Pass	126 "	10000	4/1	18.2	4.0	6.1	4.7	4	5.5
Howardville	151 "	9800	4/1	30.6	6.7	20.3	9.6	2	7.7
Red Mt. Pass	153 "	11000	1/1	77.7	23.3	44.0	29.1	2	
Porcupine	154 "	10400	4/1	27.8	6.2	19.8	6.9	2	
Wolf Creek Summit	155 "	11000	4/1	60.1	17.9	52.1	19.0	2	
Average for drai			4, -	22.3	6.4	21.8	7.7		13.1
UPPER RIO GRANDE	1								
Wolf Creek Pass	26 Colo.	10000	4/1	57.8	18.3	55.3	20.3	17	31.5
Upper Rio Grande	27 "	9350	3/31	13,3	3.8	14.7	2.8	17	7.9
Santa Maria	80 "	9700	4/1	4.1	1.2	10.0	1.6	14	4.7
Average for drai		7,00		25.1	7.8	26.7	8.2		14.7
ALAMOSA RIVER	1			-,					
Silver Lakes	47 Colo.	9600	3/31	2.4	1.2	14.0	3.4	16	6.3
Summitville	76 "	11500	3/31	45.5	10.4	38.9	13.7	13	21.7
Average for drai	,	11)00	) ), ) =	24.0	5.8	26.5	8.6		14.0
CONEJOS RIVER	i			2460	)."				
River Springs	49 Colo.	9300	3/31	7.6	1.9	19.4	4.0	16	7.9
Cumbres Pass #2	77 "	10000	3/26	48.2	17.6	24.4	19.5	17	24.4
Platoro	108 "	9950	3/31	34.1	8.8	38.3	12.9	4	2.4
West Conejos	109 "	9450	3/31	8.8	2.7	19.4	5.4	4	10.9
J.	110 "	10100	3/31	41.3	13.1	48.3	14.1	Ī.	28.1
La Manga Average for drai	i i	10100	J/ J1	28.0	8.8	30.0	11.2	4	14.7
CULEBRA RIVER	nage			20.0	3.0	J0 • 0			, - ,
Culebra	82 Colo.	10000	4/1	24.6	7.7	24.1	6.1	13	11.4
Outenia	02 00104	10000	1 4/ -	24.0					

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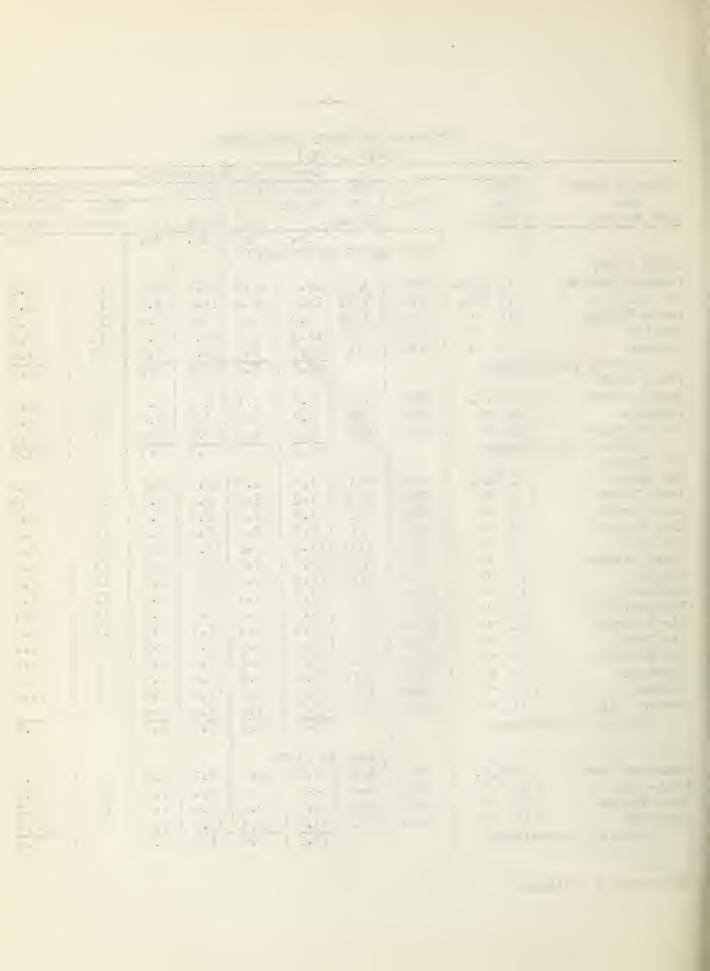
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### RIO GRANDE DRAINAGE SNOW SURVEYS

April 1, 1953

		Ap.	ril I,						
					Cover M				
Drainage Basin	No.		Date	Snow	Water	Conten	t		Records
and	and	Elev.	of	Depth				Yrs.	Av. Water
Snow Gourse	State		Survey		1953	1952	1951	Record	Content
				In.	In.	In.	In.		In.
		RIO G	RANDE I	n new 1	WEXICO				
CHAMA RIVER					_	1			
Cumbres Pass #2	77 Colo.	10000	3/26	48.2	17.6	24.4	19.5	17	54•7
Pay Role	15 N.M.	9700	3/31	13.4	2.4	16.5	3.4	13	9.7
Chama Divide	17 "	7750	3/28	0.0	0.0	0.0	0.0	13	2.7
Chamita	18 "	8500	3/28	12.3	4.4	18.0	4.2	11	9.6
Bateman	29 "	9300	4/1	27.2	6.5	19.0	8.9	3	13.6
Average for dr	ainage			20.2	6.2	15.6	7.2		10.0
PECOS RIVER	į								
Aspen Grove*	4 N.M.	9500	4/2	3.9	1.7	4.3	0.0	16	3.3
Panchela	20 "	9200	4/2	0.7	0.4	3.9	0.6	16	2.1
	21 "	9000	4/2	2.6	1.3	7.7	0.3	11	5.4
Average for dr	ainage			4.5	2.3	5.3	0.3		3.6
RIO GRANDE	1		,						
Red River	l N.M.	9500	3/31	7.6	1.9	10.9	2.4	16	8.2
Taos Canyon	2 "	9000	3/30	7.2	2.3	9.0	2.5	14	7.0
Aspen Grove	4 11	9100	4/2	3.9	1.7	4.3	0.0	16	3.3
Tres Ritos	12 "	9000	4/1	2.7	0.6	8.4	2.7	15	5.2
Pay Role	15 "	9700	3/31	13.4	2.4	16.5	3.4	13	9.7
Chama Divide	17 "	7750	3/28	0.0	0.0	0.0	0.0	13	2.7
Chamita	18 "	8500	3/28	12.3	4.4	18.0	4.2	11	9.6
Cordova	19 "	10100	4/1	23.8	6.3	18.3	9.2	11	12.8
Pancheula #2	20 "	8 300	4/2	0.7	0.4	3.9	0.6	16	2.1
Big Tesuque	21 "	10000	4/2	2.6	1.3	7.7	0.3	11	5.4
Elk Cabin	24 "	8 3 5 0	4/2	0.0	0.0	3.2	0.0	4	1.4
Rio En Medio	26 "	10400	4/2	20.6	8.6	9.2	2.6	3	4.1
Quemazon	28 "	9500	3/27	24.6	3.8	10.0	4.3	3	5.9
Bateman	29 "	9300	3/31	27.2	6.5	19.0	8.9	3	13.6
Fenton Hill	31 "	8900	4/2	3.8	1.5	8.0		2	<del></del>
Average for dr	ainage			10.5	2.9	9.9	2.9		6.5
					727				
			CANADI			0 0	0 5	7/	۲ ،
Hematite Park	9 N.M.	9500	3/31	10.0	2.1	8.2	2.5	16	5.3
Ocate Mesa	10 "	9200	1 /-			6.1	1.5	16	3.7
Tres Ritos*	12 "	9000	4/1	2.7	0.6	8.4	2.7	15	5.2
Cordova*	19 "	10100	4/1	23.8	6.3	18.3	9.2	11	12.8
Average for dr	ainage			12.2	3.0	11.6	4.8		7.8
					•	•		1	

<sup>\*</sup>On adjacent drainage



### LIST AND LOCATION OF SNOW COURSES

### Platte, Arkansas, Colorado and Rio Grande Drainages

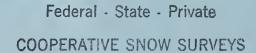
No	٠.	Name Cheyenne	Seo.	Twp.	Rge.	Elev.	No	١.	Name Upper Colorado	Seo.	Twp.	Rge.	Elev.
1	SD	Upper Spearfish	21	3N	1E	6500	12	С	Fhantom Valley	7	5N	75W	9300
							16	c	Barthoud Pass	35	28	75W	9700
		North Platts					37	Č	M. F. Camp Ground	16	38	77W	9000
7	C	Park View	24	5N	78W	9200	44	C	Fiddler Guloh	1	88	RON	11000
8	C	Columbine	21	5N	82W	9300	59	C	Lulu	25	6N	76W	10200
156	C	Northgate	7	11N	79W	8500	64	C	N. Inlet Grand Lake	26	4N	75N	9000
7	W	Bottle Creek	24	14N	85W	8200	65	C	Lake Irene	8	5N	75W	10600
8	W	Webber Spring	27	14N	85W	9000	69	C	Arrow	34	18	75W	9970
9	W	Old Battle	29	14N	85W	9800	70	C	Lapland	16	2S	76W	9500
37	W	North French Creek	27	161	80W	10200	79	C	Fremont Pass	2	8\$	76W	11400
38	W	North Barrett Creek	30	161	8UW	9 <b>40</b> 0	91	C	Lynx Pass	27	2.1/	881	8 TOO
39	M	Ryan Park	34	16N	81W	8400	96	С	Shrine Pass	15	6S	79W	10500
67	W	Spring Creek	32	15N	85W	9000	97	C	Grizzly Feak	2	5S	76W	11250
68 71	W	Albany	18	14N	78W	9400	102	С	Glan-Mar Ranch	31	2S	777	8850
/1	11	Pearl	18	151	82W	8900	106 112	C	Nonarch Lake	30 11	2.v 2.v	74% 77%	8555
		Laremie					127	C	Granby Grand Lake	36	4N	75W	8700 8600
88	С	Roach	5	10N	77W	9800	138	C	Berthoud Summit	10	2S	75ส	11300
111	c	"cIntyre	35	101	76W	9100	139	c	Frazer View	34	2S	75N	10600
3	19	Brooklyn Lake	11	161	78W	10200	143	c	Gore Pass	2	1N	82W	8800
11	'N	Foxpark	21	13N	76W	9200	146	č	Frisoo	16	6S	78W	3330
35	N	Liboy Lodge	29	16N	78W	8700	147	c	Snake River	9	58	76 ni	5700
۵6	W	Hairpin Turn	24	16N	79W	9500	158	C	Summit Ranch	8	48	78#	10000
				,			163	c	Vail Pass	28	5S	79%	10000
		Sweetwater					167	C	Kokomo	23	7S	79N	10600
29	W	Grannier 'acows	19	3JN	100W	9000	168	C	rando	10	7S	WC8	3500
47	4	South Pass	13	30N	101%	9000		-			-	/-	
57	W	Larson Creek	12	3UN	105W	9000			doaring Fork				
							33	C	Ind. Pass Funnel	30	11\$	82W	10700
		Laramie Peaks Distr	riot				54	C	North Lost Trail	20	118	87N	9200
ડેઇ	W	La Bonte	11	27N	74W	8450	45	C	Nast	1	9S	83W	8700
70	W	Boxelder	31	SON	75W	9000	100	C	I vanhoe	12	ys.	82W	10400
							144	C	Ruby	1	128	83W	11500
		South Flatte											
1	C	Camsron Pass	2	6N	76W	10300			Yampa				
2	C	Chambers Lake	6	7N	75W	9000	6	С	Dry Lake	26	7N	84W	8300
3	С	Big South	33	8N	75W	8600	9	С	Elk River	21	5N	82W	9200
5	C	East Portal	2	2S	74W	9400	140	C	Routt Line	13	5N	824	9730
14	C	Hoosier Pass	13	8\$	78W	11400	141	C	Rabbit Ears	30	5N	85N	9 550
15	C	Fairplay	33	98	'/'/W	10000	14 2	С	Yampu View	21	5N	84W	8500
41	C	Wild Basin	24	3N	74W	10000			terrio 2 de m				
50 60	C	Deadman Hill	26 26	101	75₩	10200	35	С	White Burro Mountain	16	20	43.7 m	02.10
61	C	University Camp Loveland Pass	27	1n 4s	75W 76W	10600	36	C	Rio Blanco	15 28	2S 1N	91W	9000 8500
68	C	Hour Glass Lake	18	7N	73W	9500	30	C	KIO BIANCO	20	TM	004	0300
83	c	Jefferson Creek	14	7S	76W	10100			Plateau Creek				
95	c	Hidden Valley	23	5N	75W	9550	56	С	Mesa Lakes	35	118	96W	10000
115	c	Deer Ridge	19	5N	75W	9050	85	c	Trickle Divide	23	118	94W	10000
116	Č	Copeland Lake	21	3 N	7.5W	8600		•				· -,,	10000
117	c	Empire	21	38	7 5W	9650			Gunnison River				
118	C	Geneva Park	18	6S	74₩	9750	18	С	Crested Butte	22	13\$	86W	ಀು೦೦
120	C	Antero	1	138	7'/W	9200	46	C	Park Cons	19	14S	82W	9700
128	С	Red Feather	26	10N	74W	9000	53	C	Alexander Lake	2	12S	25W	10000
133	g	Moffatt	2	28	74W	9400	55	C	Snowshoe Mesa	14	138	89 <b>W</b>	7500
154	С	Ward	1	lN	75W	9500	58	C	Ironton Fark	29	43N	7W	9800
137	C	Berthoud Falls	16	<b>3</b> S	75W	10500	87	C	Park Reservoir	34	118	9 4W	9500
	C	Longs Peak	32	4N	1/3W	10500		C	Porphyry Creek	19	49N	6E	10800
	C	Lost Lake	32	8N	7 pw	9300	101		Kannah Creek	5	128	95W	10700
34	C	Pole Mountain	35	15N	72W	8700	104		Lake City	13	4oN	4W	10300
							152		MoClura Pass	1	118	8A.M	9500
		Arkansas River					155	C	Red Mountain	13	42N	RM	11000
19		Tennessee Pass	21	88	BOM	10200							
21		Twin Lakss Tunnel	22	118	82W	10500			San Juan				
72		Wniskey Creek		37.2N	105W	10300	29	C	Upper Sun Juan	10	37N	1E	10000
74		La Veta Pass	22	285	70W	9300	30		Silverton	10	41N	7W	9400
78	C	Four Mile Park	23	118	81W	9700	31		Casoade	12	39N	9 <b>W</b>	8850
81	C	Blue Lakes	30	318	69W	10000		C	La Plata	4	36N	11W	9700
92	C	Monarch Pass	16	49N	6E	10500	149	C	Spud Mountain	32	40N	8W	10700
119	C	Saint Elmo	31	158	80W	10600	150		Molas Lake	7 15	4ON	7W	10500
121 165		Timberline	8 2	9S 8S	81W	11100	151		Howardville	36	41N 42N	7W 8W	9800
165		Cooper Hill	9	8S	80 <b>W</b> 79W	10600	102	C	Mineral Creek	30	TEN	OM.	10350
100	U	East Fork	3	03	134	10,00							

-2LIST AND LOCATION OF SNOW COURSES (CONTINUED)

No	٠.	Name	Seo.	Twp.	Rge.	Elev.	No.		Name	Seo.	Twp	Rge.	Elev.
											_		
		Dolores		For		00.00	_		Arizona (Williams				
23	C	Rioo	11	39N	11W	8700	7 A		Iron Springs	22	14N	3W	6000
24	C	Telluride	6	42N	8W	8600	15 A	<b>L</b>	Willow Ranch	16	21N	11W	5000
25	С	Lizzard Head	24	41N	10W	10300							
114	C	Trout Lake	8	41N	9W	9700			Arizona (Lower Co.		<u>-</u>		
							9 A		Chalendar	27	22N	3E	7100
		Green			7		10 A		Grand Canyon	21	30N	4E	7500
23	W	Dutoh Joe	33	31N	104W	8700	11 A		Bright Angel	34	33N	4E	8400
24	W	Mulligan Park	17	35N	108W	8900							
25	W	Kendall R. S.	23	38N	110W	<b>7</b> 900			Rio Grande				
26	W	Loomis Park	14	37W	111W	8500	26 C		Wolf Creek	4	37N	2E	10000
27	W	Snyder Basin	15	29N	114W	8040	27 C		Upper Rio Grande	13	40N	4W	9350
28	M	Piney La Barge	19	29 N	114W	8820	47 C		Silver Lakes	15	36N	5E	9600
							49 C		River Springs	25	33N	6E	9800
		Arizona (Gila)					76 C		Summitville	30	37N	4E	11500
11		Frisco Divide	21	68	20W	8000	77 C		Cumbres Pass	17	32N	5E	10000
14	NM	State Line	5	6S	21W	8000	80 C		Santa Maria	8	41N	2W	9700
22	NM	Taylor Creek	20	10S	10W	7850	82 C		Culebra		37.2N	105.2W	10000
23	NM	Inman	6	11S	10W	7800	84 C		Fort Garland	13	29 N	72W	8200
1	A	Nutrioso	23	6N	30E	8500	108 C	;	Platoro	22	36N	4W	9950
2	A	Beaver Head	13	4N	30E	8000	109 C	;	West Conejos	25	35N	4E	9450
3	A	Coronado Trail	26	5N	30E	8000	110 C	;	La · Manga	11	33N	5E	10000
29	A	Rose Canyon	15	125	16E	7300	122 C	;	Pyramid	26	41N	5W	10300
30	A	Bear Wallow	6	128	16E	8100	123 C	;	Spring Creek Pass	2	42N	3W	10900
							124 C	3	Pool Table Mt.	19	41N	2E	10000
		Arizona (Salt)					125 C	;	Lake Humphrey	32	40N	1E	9300
4	A	McNary	14	8N	23E	7200	126 C	;	Coohetopa Pass	12	45N	3E	10000
5	A	Forest Dale	2	9n	21E	6000	154 C	;	Porcupine	2	41N	3W	10400
6	A	Milk Ranoh	28	8N	23E	7000	155 C	;	Wolf Creek Summit	6	37N	2E	11000
20	A	Pacheta				7800							
21	A	Fort Apache	18	7N	27E	9000	1 NM	4	Red River	29	28N	15E	9 500
22	A	Baldy	28	7N	27E	9000	2 NM	4	Taos Canyon	10	25N	15E	9000
23	A	Maverick Fork	13	6N	27E	9050	4 NM	£.	Aspen Grove	12	18N	10E	9100
31	A	Workman Creek	33	6N	14E	5860	9 NM	Í	Hematite Park	8	28N	15E	9500
							12 NM	1	Tres Ritos	23	22N	13E	9000
		Arizona (Little Co	olorado)				15 NM	1	Payrole	16	28N	7E	9700
12	A	Fort Valley	22	22N	6E	7350	17 NM	Í	Chama Divide		36.9N	106.7W	7750
13	A	Mormon Lake	13	18N	8E	7350	18 NM	4	Chamita		36.9N	106.7W	8500
19	A	Mormon Mountain	14	18N	8E	7500	19 NM	ſ	Cordova	22	22N	13E	10100
							20 NM	í	Panohuela	27	19N	12E	8300
		Arizona (Verde)					21 NM	Í	Big Tesuque	17	18N	11E	10000
8	A	Camp Wood	3	16N	6 <b>W</b>	5700	24 NM	i	Elk Cabin	8	18N	11E	8250
16	Ā	Antelope Park	29	19N	8E	7300	26 NM	í	Rio En Medio	8	18N	116	10400
17	Ā	Casner Park	19	18N	8E	6930	28 NM		Quemazon	34	20N	5E	9300
18	A	Munds Park	7	18N	7E	6500	29 NM		Bateman	5	26N	6E	9300
		-					31 NM	1	Fenton Hill	18	19N	3W	8900

SD - South Dakota; C - Colorado; W - Wyoming; A - Arizona; NM - New Mexico





Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

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